ITS Technical Bulletin #293

ADABAS Native SQL 2.1.1 Implementation

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Section/Group: Database Administration
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ITS Database Administration is planning to implement ADABAS Native SQL version 2.1.1 on Sunday, October 21. In preparation for this installation, a new set of ADABAS Native SQL testing data sets have been created. These data sets provide a means for customers to test this release before it is implemented into production. These data sets are named GP.ADASQL.LOADTEST and GP.ADASQL.SRCETEST. **For testing purposes**, these data sets should be referenced when compiling and executing ADABAS Native SQL programs instead of the standard ADABAS Native SQL data sets, GP.ADASQL.LOAD and GP.ADASQL.SRCE.

Operational Environment Changes

In the past, ITS has maintained a set of four global (ADAGLOB) parameters for each database: VS COBOL Batch, VS COBOL CICS, COBOL for MVS Batch, and COBOL for MVS CICS. Now that COBOL for MVS is the only version of COBOL supported by IBM, the ADAGLOB definitions supported by ITS will be reduced to one batch definition and one CICS definition for each ADABAS database.

Previously, ITS Database Administration provided multiple ADABAS Native SQL error handling programs: RESPINT for VS COBOL, RESPINT2 for COBOL II, and RESPINT3 for COBOL for MVS. When ADABAS Native SQL 2.1.1 is implemented into production, RESPINT2 will be eliminated. RESPINT will now be compatible with COBOL for MVS. It has been assembled and linked using the COBOL for MVS compiler. To eliminate the need to recompile all modules that have specified RESPINT3 as the abort module, we will continue to provide a RESPINT3 load module with this version. It will be identical to RESPINT. RESPINT will be specified as the abort module in the ADAGLOB definitions supported by ITS.

A new parameter, ADA-VERSION=71, will be added to the default ADAGLOB parameters. This parameter allows ADABAS Native SQL to take advantage of ADABAS 7 functionality when using the READ LOGICAL and HISTOGRAM statements.

If your COBOL programs have not been converted to COBOL for MVS, it will be necessary for you to provide your own abort module and global parameter definitions for use with ADABAS Native SQL.

The following table identifies the supported ADAGLOB members and the PREDICT database name for each ADABAS database.

DB NBR	Predict DB Name	Database Usage	Batch ADAGLOB	CICS ADAGLOB
002	DEVELOPMENT-1	S.L. Dev	ADAGLB2	ADAGLBC2
003	CRIMINAL-JUSTICE	CJ Prod	ADAGLB3	ADAGLBC3
004	HS-PROD	Human Services /Health Prod	ADAGLB4	ADAGLBC4
005	ACCEPTANCE-TEST	S.L. Accept Test	ADAGLB5	ADAGLBC5
007	USOE-TEST	Education Dev	ADAGLB7	ADAGLBC7
008	USOE-PROD	Education Prod	ADAGLB8	ADAGLBC8
009	TRAINING-BASE	S.L. Training	ADAGLB9	ADAGLBC9
011	MAINTENANCE-1	S.L. Maintenance	ADAGLB11	ADAGLC11
013	DEVELOPMENT-WD	Workforce Dev	ADAGLB2	ADAGLBC2
014	N/A	Workforce Prod	ADAGLB14	ADAGLC14
101	GEN-GOV-RICH	Rich Prod	ADAGLB1	ADAGLBC1
102	DEVELOPMENT-RICH	Rich Dev	ADAGLB2	ADAGLBC2
105	N/A	Rich Accept Test	ADAGLB5	ADAGLBC5
109	TRAINING-RICH	Rich Training	ADAGLB9	ADAGLBC9
111	MAINTENANCE-RICH	Rich Maintenance	ADAGLB11	ADAGLC11

Functionality Changes

ADABAS Native SQL Version 2.1.1 provides some functionality changes. The documented changes are detailed below.

- The BETWEEN clause is supported within the READ LOGICAL and HISTOGRAM statements.

- Comparative operators GE, GT, LE and LT can be used in the WHERE clause of the READ LOGICAL and HISTOGRAM statements.

- A new keyword, CICS, is supported in the ABORT statement, i.e., ABORT RESPCICS CICS. The CICS keyword will cause ADABAS Native SQL to generate the call to the abort module in the way it is generated with the MONITOR CICS statement. This keyword should be used by customers that are not using the MONITOR CICS statement, but would like the program to run in a CICS environment and, therefore, are using the CICS STUB statement or just the ADACALL and TELE statements.

Please take advantage of the testing libraries that are now available. If you have any questions or concerns regarding this upgrade, please contact ITS Database Administration at 538-3235.